

Applicant : J. Stuart Cumming
Appl. No. : 09/740679
Examiner : Eduardo C. Robert
Docket No. : 13533.4033

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

[0086] The lens body 33 has a generally rectangular shape and includes a central optical zone or optic 34 and plate haptics 36 extending from diametrically opposite edges of the optic. The haptics have inner ends joined to the optic and opposite outer free ends. The haptics 36 are movable anteriorly and posteriorly relative to the optic 34, that is to say the outer ends of the haptics are movable anteriorly and posteriorly relative to the optic. The particular lens embodiment illustrated is constructed of a resilient semi-rigid material and has flexible hinges 38 which join the inner ends of the haptics to the optic. The haptics are relatively rigid and are flexible about the hinges anteriorly and posteriorly relative to the optic. These hinges are formed by grooves 40 which enter the anterior side of the lens body and extend along the inner ends of the haptics. The haptics 36 are flexible about the hinges 38 in the anterior and posterior direction of the optic. As is seen in the figures, the hinges 38 formed by the grooves 40 are straight and virtually tangential to the optic 34. The lens has a relatively flat unstressed configuration, illustrated in figures 2 and 3, wherein the haptics 36 and their hinges 38 are disposed in a common plane transverse to the optic axis of the optic 34. Deformation of the lens from this unstressed configuration by anterior or posterior deflection of the haptics about their hinges 38 creates in the hinges elastic strain energy forces which bias the lens to its unstressed configuration. If the lens is

Applicant : J. Stuart Cumming
Appl. No. : 09/740679
Examiner : Eduardo C. Robert
Docket No. : 13533.4033

constructed of a relatively hard optic material, it may be necessary to replace the flexible hinges 38 by pivotal hinges of some kind. In a later described lens embodiment of the invention, the haptic hinges are eliminated, and the haptics are made flexible throughout their length.